# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 00:00 on Wednesday 11 Dec 2024 until 23:59 on Thursday 12 Dec 2024

Forecast Issued on Tuesday 10 Dec 2024 at 13:01

**Confidence:** High for a settled start, also for occasional patchy rain from later Thursday through to early Saturday. However, lowering for inversion, transitional and cloud details.

**Headline for Wednesday 11 Dec 2024:** Most staying dry with brighter spells developing. Relatively light summit winds.

**Mountain weather hazards on Wednesday 11 Dec 2024**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>Low Likelihood | **Poor visibility**<br>Low Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 800m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | | | |
| Partly cloudy (night) | Partly cloudy (night) | Partly cloudy (night) | Sunny intervals | Sunny intervals | Sunny intervals | Partly cloudy (night) | Cloudy |
| Precipitation probability | | | | | | | |
| 00% | 00% | 00% | 00% | 00% | 00% | 00% | <05% |

**Forecast for Wednesday 11 Dec 2024**

**Weather:** Staying dry with the best of the brighter spells appearing across western areas of the Park, particularly through the afternoon, also cloud free above the inversion which will be near 700m.

**Chance of cloud-free hill tops above 800m:** 40% in east, 80% in west, 100% above the inversion

**Low cloud and visibility:** Good of very good becoming very poor within cloud with bases quite extensive in east from 700m.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2024. All Rights Reserved.

# Mountain Weather Forecast

**Forecast for Wednesday 11 Dec 2024**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 11/14 E | 9/14 E | 8/11 E | 10/13 E | 7/9 E | 6/8 NE | 7/11 E | 9/13 E | 11/15 SE |
| **600** | 10/13 E | 8/11 E | 5/8 NE | 9/13 E | 6/9 E | 4/6 NE | 7/11 E | 10/15 SE | 7/12 SE |
| **300** | 5/11 E | 3/9 E | 1/7 E | 2/9 E | 1/6 E | 1/5 NE | 2/8 E | 2/6 E | 3/9 SE |
| **Valley** | 5/8 NE | 5/8 NE | 3/6 NE | 4/6 NE | 2/5 SE | 3/6 NE | 4/6 NE | 2/7 E | 3/8 E |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | -1/-6 | -2/-6 | -2/-6 | -1/-6 | -2/-5 | -2/-6 | -2/-5 | -2/-6 | -2/-6 |
| **600** | -0/-4 | -1/-4 | -1/-4 | -0/-4 | 0/-3 | -0/-2 | -0/-4 | -0/-4 | 0/-3 |
| **300** | 1/-2 | 0/-1 | 0/-1 | 0/-1 | 3/1 | 2/0 | 1/-1 | 1/-1 | 2/-0 |
| **Valley** | 3/1 | 3/0 | 2/1 | 2/0 | 4/3 | 4/3 | 3/2 | 2/1 | 3/2 |
| **Freezing Level*** | 500m | 500m | 500m | 500m | 600m | 600m | 500m | 600m | 600m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Severe wind chill at height and extensive hill fog bringing difficult conditions.

**Forecast for Thursday 12 Dec 2024**

**Weather:** Dry occasionally bright start, then turning dull to overcast by late morning with some patchy light rain and drizzle for the rest of the day, this most persistent in the east of the area.

**Maximum wind:** Easterly less than 15mph

**Chance of cloud-free hill tops above 800m:** 60-70% becoming 10-20% for the afternoon

**Low cloud and visibility:** Good becoming moderate or poor in rain and drizzle, very poor within cloud with bases becoming extensive from 500m.

**Temperature:** **Valleys:** Plus 1 Celsius increasing 7 Celsius during the afternoon
**At 800m:** Zero increasing Plus 2 Celsius
**Freezing level:** 800m increasing 1000m

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2024. All Rights Reserved.

# Mountain Weather Forecast

**Ground Conditions Supplement**

Date: Tuesday 10 December 2024 Location: Helvellyn summit at 11:37 UTC. Full report: Fantastic weather to be in the hills today, colder than expected with a freezing E wind at summit level and frost at all levels from the valley upwards. Yesterdays slightly warmer temperatures have stripped back the little snow there was around the Helvellyn summit area leaving only isolated patches, however, the rocky areas high on the edges, particularly Swirral Edge, are still holding some pockets of snow which have now refrozen in the low temperatures to give snow ice, this combined with the frosted rocks and areas that are rimed with ice have given some quite tricky conditions high up. Micro spikes would be a really good choice currently particularly around the edges and summit area where some old snow remains. The paths away from the summit area are generally less of an issue regarding old snow but terrain, particularly in the shade, has remained frozen to valley level all day and so there are many areas of ice to watch out for. Tomorrow looks like another fine day to be out on the fells! It may be slightly warmer than today at summit level but most likely higher areas will remain frozen, so plan for similar conditions as reported today. Temperature: minus 2.6 C, Maximum wind speed 19.0 mph, Wind chill: minus 11.2 C, Average wind speed: 16.7 mph

Issued at: 1301 on Tue 10 Dec 2024

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2024. All Rights Reserved.